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Protein

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Structure

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Preview/Index

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Range: from

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to

end

Features:

☐ SNP

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☒ MGC

☐ 1: [AAM60891](#)

Reports adenine phosphori...[gi:21536559]

BLink, Domains, Links

LOCUS AAM60891 243 aa linear PLN 27-MAR-2003  
DEFINITION adenine phosphoribosyltransferase 1, APRT [Arabidopsis thaliana].  
ACCESSION AAM60891  
VERSION AAM60891.1 GI:21536559  
DBSOURCE accession [AY084300.1](#)  
KEYWORDS  
SOURCE Arabidopsis thaliana (thale cress)  
ORGANISM Arabidopsis thaliana  
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;  
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.  
REFERENCE 1 (residues 1 to 243)  
AUTHORS Haas,B.J., Volfovsky,N., Town,C.D., Troukhan,M., Alexandrov,N.,  
Feldmann,K.A., Flavell,R.B., White,O. and Salzberg,S.L.  
TITLE Full-length messenger RNA sequences greatly improve genome  
annotation  
JOURNAL Genome Biol. 3 (6), RESEARCH0029 (2002)  
MEDLINE [22088475](#)  
PUBMED [12093376](#)  
REFERENCE 2 (residues 1 to 243)  
AUTHORS Brover,V., Troukhan,M., Alexandrov,N., Lu,Y.-P., Flavell,R. and  
Feldmann,K.  
TITLE Full-Length cDNA from Arabidopsis thaliana  
JOURNAL Unpublished  
REFERENCE 3 (residues 1 to 243)  
AUTHORS Brover,V., Troukhan,M., Alexandrov,N., Lu,Y.-P., Flavell,R. and  
Feldmann,K.  
TITLE Direct Submission  
JOURNAL Submitted (11-MAR-2002) Ceres, Inc, 3007 Malibu Canyon Road,  
Malibu, CA 90265, USA  
COMMENT Method: conceptual translation.  
FEATURES Location/Qualifiers  
source 1..243  
/organism="Arabidopsis thaliana"  
/db\_xref="taxon:3702"  
/clone="102971"  
Protein 1..243  
/product="adenine phosphoribosyltransferase 1, APRT"  
CDS 1..243  
/coded\_by="AY084300.1:122..853"  
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61 matedvqdpriakiassirvipdfpkpgimfqdittllldteafkdtrialfvdrykdkgi  
121 svvagveargfifgpialaigakfvpmrkpkklpgkvis eeysleygtdtiemhvgave  
181 pgeraiiiddliatggtlaairllervgvkivecacvie lpelkgkekl getslflvlk  
241 saa

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DICTIONARY FILE UPDATES: 15 DEC 2004 HIGHEST RN 798532-74-8

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=> s appsirl/sqsp  
L1 4 APPSIRL/SQSP

=> d 1-4

L1 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 482161-14-8 REGISTRY  
CN GenBank AAM60891 (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN GenBank AAM60891 (Translated from: GenBank AY084300)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

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L1 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 301728-30-3 REGISTRY  
CN Protein (Arabidopsis thaliana clone Ceres\_1597317) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1759: PN: EP1033405 SEQID: 30101 claimed sequence  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PRP  
(Properties); USES (Uses)

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1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 301728-17-6 REGISTRY  
CN Protein (Arabidopsis thaliana clone Ceres\_1597130) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1753: PN: EP1033405 SEQID: 30086 claimed sequence  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PRP  
(Properties); USES (Uses)

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1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 301719-33-5 REGISTRY  
CN Protein (Arabidopsis thaliana clone Ceres\_2137623) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 198: PN: EP1033405 SEQID: 60198 claimed protein  
CN 2091: PN: EP1033405 SEQID: 12116 claimed protein  
CN Protein (Arabidopsis thaliana clone Ceres\_1376114)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PRP

(Properties); USES (Uses)

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2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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SINCE FILE

TOTAL

ENTRY

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=> s l1

L2 3 L1

=> d 1-3

L2 ANSWER 1 OF 3 CA COPYRIGHT 2004 ACS on STN  
AN 133:318297 CA  
TI Sequence-determined DNA fragments and corresponding encoded polypeptides from corn and Arabidopsis  
IN Alexandrov, Nickolai; Brover, Vyacheslav; Chen, Xianfeng; Subramanian, Gopalakrishnan; Troukhan, Maxim E.; Zheng, Liansheng; Dumas, J.  
PA Ceres Inc., USA  
SO Eur. Pat. Appl., 339 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1033405	A2	20000906	EP 2000-301439	20000225
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CA 2300692	AA	20000825	CA 2000-2300692	20000225
	CA 2302828	AA	20001006	CA 2000-2302828	20000406
	EP 1055728	A2	20001129	EP 2000-303770	20000504
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	EP 1054060	A2	20001122	EP 2000-304161	20000517
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PRAI	US 1999-121825P	P	19990225		
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US	1999-147302P	P	19990804
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US	1999-137528P	P	19990603
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US	1999-137724P	P	19990607
US	1999-138094P	P	19990608

L2 ANSWER 2 OF 3 CA COPYRIGHT 2004 ACS on STN  
 AN 133:318291 CA  
 TI Sequence-determined DNA fragments and corresponding encoded polypeptides  
 from corn and Arabidopsis  
 IN Alexandrov, Nickolai; Brover, Vyacheslav; Chen, Xianfeng; Subramanian,  
 Gopalakrishnan; Troukhan, Maxim E.; Zheng, Liansheng; Dumas, J.  
 PA Ceres Inc., USA  
 SO Eur. Pat. Appl., 339 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1033405	A2	20000906	EP 2000-301439	20000225
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	CA 2300692	AA	20000825	CA 2000-2300692	20000225
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	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
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US	1999-137724P	P 19990607
US	1999-138094P	P 19990608

L2 ANSWER 3 OF 3 CA COPYRIGHT 2004 ACS on STN  
 AN 133:318289 CA  
 TI Sequence-determined DNA fragments and corresponding encoded polypeptides  
 from corn and Arabidopsis  
 IN Alexandrov, Nickolai; Brover, Vyacheslav; Chen, Xianfeng; Subramanian,  
 Gopalakrishnan; Troukhan, Maxim E.; Zheng, Liansheng; Dumas, J.  
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EP	1054060	A2 20001122 EP 2000-304161 20000517
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
		IE, SI, LT, LV, FI, RO
PRAI	US 1999-121825P	P 19990225
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